

ALSO FROM IFB



MICROWAVE OVEN
CAPACITY - 17 to 30 LITERS



CLOTHES DRYER
CAPACITY - 5.5KG



DISHWASHER
CAPACITY - 12 PLACE SETTING

IFB

**Customer Care
Dial**

1860 425 5678 - BSNL & MTNL Callers
3900 4321 - Other Callers
or email
customerservice@ifbglobal.com

IFB Industries Limited, Plot No. IND - 5, Sector - 1, East Calcutta Township, Calcutta - 700 078
Visit us at www.ifbappliances.com

IFB

Advancing the science of washing

SENATOR 6kg / SENATOR 6kg
· aqua-energie ·

OPERATING MANUAL

USE ONLY GENUINE IFB SPARES & ACCESSORIES

** Company shall not be responsible for defects arising due to usage of spurious parts and accessories*

SERVICE STATION COPY

MODEL : Senator 6 kg/Senator 6 kg Aqua SR. NO. WTSTR6kgB/WTSTR6kgAquaB _____

DEALER'S NAME : _____

CUSTOMER'S NAME : _____

ADDRESS : _____

PIN CODE : _____

TEL. NO. (Resi.) _____ (Off.) _____

E-MAIL : _____

MOTOR SR. NO. : _____

DATE OF PURCHASE : _____

INSTALL THE MACHINE ONLY IF EARTHING IS PROPER

I OWN THE FOLLOWING PRODUCTS: (Please tick in the box)

☐ COLOUR TV ☐ REFRIGERATOR ☐ AIR CONDITIONER

☐ DISH WASHER ☐ MICROWAVE OVEN ☐ CLOTHES DRYER

FRANCHISEE ATTACHED: _____

Dear Customer

A warm welcome to the international family of JFB 'tumble wash' technology based washing machine owners.

Your washing machine, is truly going to be your freedom machine. It requires just 30 seconds of your time in loading the fabrics and setting the programme.

Thereafter, you are totally free to do what you please. This washing machine does not need your supervision anymore. This washing machine is modelled on the unique 'tumble wash' concept for superior fabric care and wash performances.

As you read this manual you will understand what this washing machine can do for you.

For any further information, please contact your nearest dealer or JFB's Service Centre.



Chief Executive

INSTALLATION REPORT

IFB WASHING MACHINE



Model : _____ Serial No. : _____ Customer's Name : _____

Address : _____ Tel. No. _____

Installation Check Points

Machine Delivered on : _____ Machine Installed on : _____

- | | | |
|--|-----|----|
| 1. Any Major transit damage to the machine observed | Yes | No |
| 2. Condition of Earthing/Plug Point (16 Amp. 230V AC with MCB or other automatic short circuit protection devices.)good | | |
| If poor, customer has been advised, to correct the same | Yes | No |
| 3. User Manual Delivered | Yes | No |
| 4. Inform user of need to keep drain hose straight & maximum height of draining. | Yes | No |
| 5. Warranty term explained | Yes | No |
| 6. Machine levelling procedure & importance explained | Yes | No |
| 7. Detergents and bleach recommendation revelent DD tray chambers explained | Yes | No |
| 8. Basic wash demo given | Yes | No |
| 9. Trouble shooting explained | Yes | No |
| 10. Check following for proper order : | | |
| a. Inlet Hose | Yes | No |
| b. DD Tray | Yes | No |
| c. Ratmesh fitted (If applicable) | Yes | No |
| d. Drain hose | Yes | No |
| 11. Do's and Don't's explained | Yes | No |
| 12. Display function explained (If applicable) | Yes | No |
| 13. Procedure for cleaning rubber sleeve / coin trap | Yes | No |
| 14. Program selection, Programs & buttons options (other knob) explaind | Yes | No |
| 15. Indicator lamp/Status LED function (if Applicable) | Yes | No |
| 16. Buzzer function (if Applicable) | Yes | No |

Installed by : _____ Signature : _____

Customer's response

- | | | |
|--|----------------------------------|-----------------------------------|
| 1. The installation person was courteous & Helpful. | Yes | No |
| 2. I would describe my experience with installation as | Unacceptable
Non Satisfactory | Satisfactory
Very Satisfactory |

I certify that the above information & checks have been done to my satisfaction & I am fully satisfied with the installation of the washing machine.

Customer's Signature _____ Date : _____ Time : _____

CUSTOMER COPY

MODEL : Senator 6 kg/Senator 6 kg Aqua SR. NO. WTSTR6kgB/WTSTR6kgAquaB _____

DEALER'S NAME : _____

CUSTOMER'S NAME : _____

ADDRESS : _____

PIN CODE : _____

TEL. NO. (Resi.) _____ (Off.) _____

E-MAIL : _____

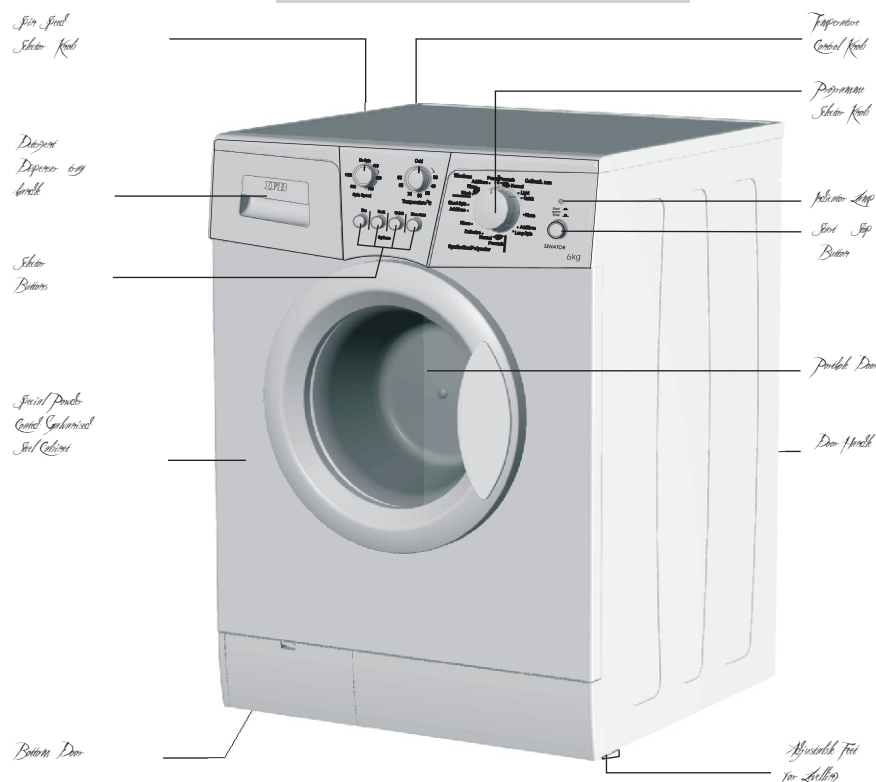
MOTOR SR. NO. : _____

DATE OF PURCHASE : _____

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KNOW YOUR MACHINE



Advantages of Tumble Wash

- ✱ MOST EFFECTIVE CLEANING AS THE CLOTHES PASS THROUGH SOAPY WATER AND ALSO FALL ON SOAP SOLUTION IMPROVING WETTING OF CLOTHES.
- ✱ RESEMBLES THE THUMPING AND RUBBING ACTION OF GENTLE HAND WASH.
- ✱ USES LESS WATER COMPARED TO TUB TYPE TOP LOADERS.
- ✱ LESS WATER MEANS LESS DETERGENT AND ELECTRICITY CONSUMPTION.
- ✱ WASHING IS EFFECTIVE BY DETERGENT, SOAKING, HEATING, TUMBLING AND SQUEEZING.
- ✱ GIVES BETTER DRYING EFFECT BY SPINNING.

TECHNICAL DATA

Dimensions(DxWxH)	: 64 cm x 60 cm x 85 cm
Weight	: 75 kgs
Capacity	: 6 Kgs of dry clothes (cotton)*
Programmes	: 30 Wash Care Programmes
Selector Buttons	: Eco, Soak, Water Save Device (WSD), Rinse Hold
Spin Speed	: 400 to 1100 rpm or No Spin
Heater Rating	: 1.9 kW
Drum	: Stainless Steel
Temperature Selection	: Cold to 90°C
Drain Pump Rating	: 30 Watts
Water Consumption	: 45 litres for normal wash.
Power Consumption	: 0.15 - 0.25 unit for cold wash (Cotton Wash Programme) : 1.2 - 1.4 unit hot wash at 60°C
Connected Load	: 2.35 KW Max.
Programme Duration	: 36 to 132 minutes
Power supply	: 220-240 V, Single Phase, 50 Hz
Water Pressure	: 1 bar (1.03 kg/cm ²) - 10 bar (10.3kg/cm ²)

Specifications are subject to change without notice.

*Capacity depends on size, texture and combination of clothes Depending on water pressure, Water hardness, Water inlet Temperature, Quantity and type of textile, Detergents used, Degree of soiling, Ambient condition, selected additional functions & power supply fluctuations the actual values given on or with the machine can deviate from the declared standard values, as they are tested according to the laboratory conditions.

- ✦ Avoid the machine coming in contact with floor cleaning chemicals.*
- ✦ Do not wash or spray water over the switch or control panel.
- ✦ Do not allow children/pets to play with the machine.
- ✦ Do not wash shoes or utensils in the machine.
- ✦ Keep machine away from fire or heat.
- ✦ IFB will not be responsible if the user uses accessories not manufactured or recommended by IFB.
- ✦ Take care when draining hot washing solution.
- ✦ Door always become very hot during washing at higher temperatures. Keep children away from the appliance while it is in use.

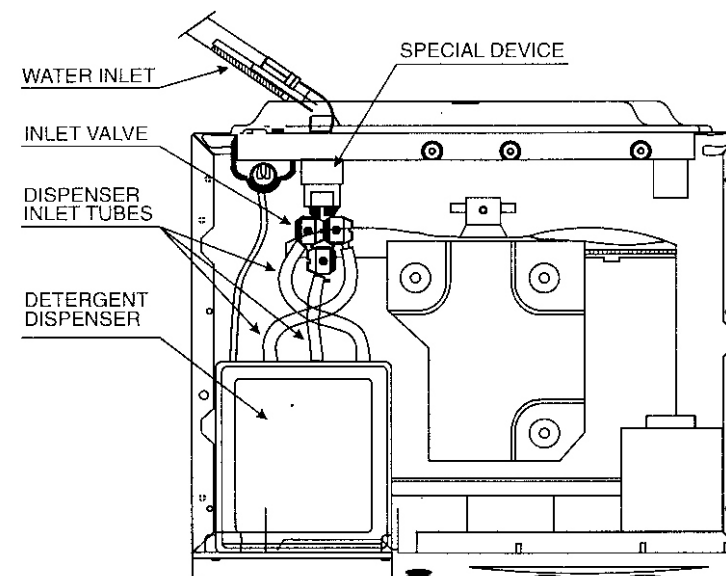
*Exposure can lead to rusting/corrosion.

SPECIAL NOTE

ONLY USE A DETERGENT RECOMMENDED FOR FRONT LOADING WASHING MACHINES. A DETERGENT WHICH FOAMS EXCESSIVELY CAN DAMAGE THE MOTOR AND DETERIORATE THE RINSE QUALITY.

INSTALL MACHINE IN A ROOM WITH ADEQUATE VENTILATION. AVOID A ROOM WITH NO WINDOWS. THE BACK OF THE MACHINE SHOULD BE AT LEAST 4 INCHES (100 mm)AWAY FROM THE WALL.

IF YOU USE A COVER OR TABLE CLOTH ON THE TOP LID, MAKE SURE THAT THE VENTILATION SLOTS AT THE BACK ARE NOT COVERED OR BLOCKED. THIS PRECAUTION WILL PROLONG THE LIFE OF ELECTRICAL AND RUBBER COMPONENTS.



AQUA ENERGIE

AQUA ENERGIE series machine deploys a specialized physical treatment device to improve the quality of water. The effect is more visible in hard waters areas.

The special device is a part of the water in take system.

It breaks the bi-carbonates in water into microscopic crystals and reduces tendency of the crystals to stick to any surface.

This in turn makes the crystals flow with water and improves the power of detergents solution. The reduced surface tension of the treated water facilitates wetting of clothes and improves detergents action.

ADVANTAGES* OF AQUA ENERGIE.

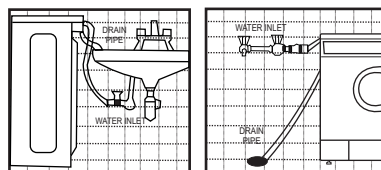
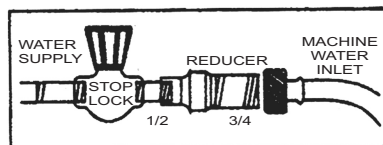
- Reduced scaling on components such as Heater & Tub.
- Reduction in detergent consumption.
- Reduction in detergent traces in washed clothes.
- Improvement in wash quality.

*Depend on hardness of water supplied to the machine.

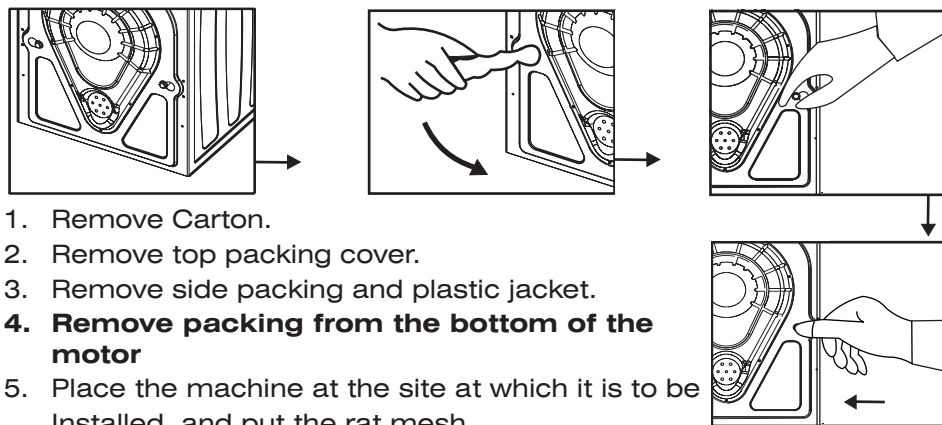
INSTALLATION

Pre Installation

1. It is mandatory to have a 16 amp. 3-pin 230V AC, 50Hz electrical point with a 16 amp. MCB or Automatic short circuit protection device within 1 meter of the machine. Make sure it has proper earthing.
2. Fixed plumbing is recommended for the machine. The water inlet of the machine has a collar with 3/4" parallel internal threads. The water supply point with an external 3/4" parallel thread should be available within 1 meter of the machine's location.
3. Two options on the water inlet and drain pipe connection are shown. In case these possibilities do not exist for the drain pipe, please arrange an additional length of pipe.
4. Please inform our service centre for installation and demonstration of the machine once the points mentioned above have been completed.



Unpacking



1. Remove Carton.
2. Remove top packing cover.
3. Remove side packing and plastic jacket.
4. Remove packing from the bottom of the motor
5. Place the machine at the site at which it is to be Installed, and put the rat mesh.

SAFETY PRECAUTIONS

- ✦ Ensure that the machine is properly balanced on four adjustable feet.
- ✦ Ensure that the machine is connected to 3 pin socket with good earth and 16 Amp MCB or other automatic short circuit protection devices.
- ✦ The machine is tested with water during assembly for performance checking. Condensed droplets of water may remain inside the drum. It is advisable to run the machine without wash load in cotton 60 program with detergent for the first time after installation.
- ✦ Servicing should be handled by the Company's authorized personnel only.
- ✦ Check label on garments for determining conditions under which fabrics are to be washed.
- ✦ Use detergent recommended for washing machine.
- ✦ Ensure that the electrical line on which the machine is used can take the required load.
- ✦ Check the inside of drum before loading the clothes.
- ✦ Protect the machine from direct sunlight and do not splash water on it. Clean with a damp cloth.
- ✦ Keep your machine dry to avoid corrosion/rusting. Take special care to wipe the machine after cleaning the Coin trap.
- ✦ The machine should ideally be installed on the floor. It can be installed on any suitable platform or trolley, if desired by the customer.
- ✦ Clean the shell lower and detergent tray periodically by taking out the detergent tray.
- ✦ Do not pull the cord to disconnect the plug. Hold the plug itself/do not insert or remove the plug with damp hand.
- ✦ Do not drag the washing machine to its position. Always lift the or move the machine keeping the wheel's direction in mind.
- ✦ Do not move the washing machine if it contains the wash load or when in operation.
- ✦ Do not install the machine in a damp area or bathroom, with exposure to direct shower*.
- ✦ Do not spill water over the machine*. In case of spillage, wipe dry.

MACHINE DOES NOT START.

- ✖ Check position of programme selector knob
- ✖ Check water supply
- ✖ Porthole door not closed properly
- ✖ Indicator lamp not glowing

MACHINE DOES NOT SPIN / CLOTHES REMAIN WET

- ✖ Check if the Spin speed selector knob is set on No spin position.
- ✖ Rinse Hold button is pressed
- ✖ Unbalanced load
- ✖ **Unbalanced load (Divide the load in two halves and spin each load using exclusive spin program with desired spin speed or add smaller articles of laundry to balance the load & repeat the spin cycle.)**
- ✖ **Excessive detergent / Foam**
- ✖ **Load is too small.**

MOTOR NOISE

It is normal for noises to be heard while motor is running. However wash load, belt tension and motor mounting bolt should be checked for specified limits.

PUMP NOISE

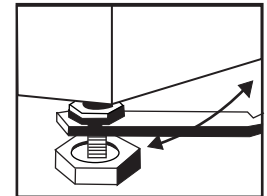
It is normal for noises to be heard from the pump during the start-up and final stage of draining.

6. Remove transit bolts.
7. Insert plastic caps provided into holes vacated and press till they click into place.
8. Keep transit bolts carefully. They will be required in case you need to shift the machine again.
9. For shifting and re-installation at a new site, please get in touch with our service personnel.
10. Keep packaging material carefully. It comes handy while shifting residence.
11. **PLEASE DO NOT OPERATE THE MACHINE TILL TRANSIT BOLTS HAVE BEEN REMOVED.**

Setting Up

The machine should be levelled properly on the floor. However, it can be installed on any suitable platform or trolley, as desired.

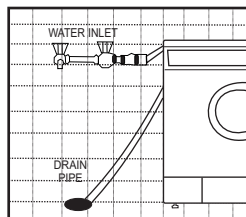
Install machine in a room with adequate ventilation. Avoid a room with no windows. The back of the machine should be at least 4 inches (100 mm) away from the wall.



1. Do not place the machine on slanting, uneven, unstable surface.
2. Level the machine by using the adjustable screws provided at the bottom for levelling.
3. Loosen securing nut. Adjust the screw to change level. Tighten securing nut to ensure that screw is locked into place.
4. **Make sure that the machine rests on all four feet on a level surface, at all times, to avoid vibrations during operation**
5. Machine should be leveled again in case it is moved to a new site.
6. Machine is provided with ventilating openings on the base. Hence it is always recommended to put the machine on the floor after removing the carpet.
7. In countries where there are areas which may be subjected to infestation by cockroaches or other insects etc, pay attention to keep the appliance & surrounding in clean condition at all times any damage which be caused by cockroaches etc will not be covered by the appliance guratantee.

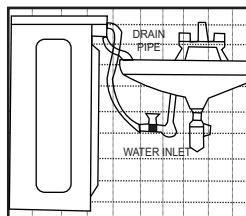
Water Inlet

1. Connect inlet hose to water tap/line.
2. Do not connect machine to a hot water supply.



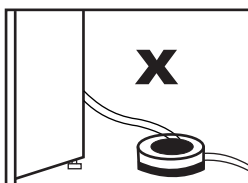
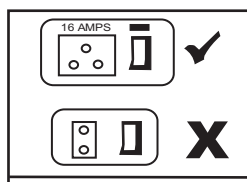
Water Outlet

1. A drain pump is provided in the machine to pump out used water.
2. The end of the outlet should be placed near a drain. If necessary, it can be placed over the edge of a sink at a maximum height of 1 mt. from the floor level.
3. Allow free flow of water from the outlet pipe.



Electrical Connection

- ✦ Check that the electrical line take the required load.
- ✦ Connect to a 230V, 50Hz single phase AC supply. The appliance must be positioned so that the plug is accessible.
- ✦ Machine must be earthed properly before operation. This can be done by using a 3 - pin plug and a properly earthed operated socket of 16 Ampere rating.
- ✦ If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard. It should not be stretched when connected to the main socket.



FAULT DIAGNOSIS

WHY DOES IT HAPPEN?

INDICATOR LAMP DOES NOT GLOW.

- ✦ Check if the machine is ON.
- ✦ Check for loose connections in plug/socket.

WATER DOES NOT ENTER MACHINE/DETERGENT NOT BEING FLUSHED INTO DRUM.

- ✦ Check water supply
- ✦ Porthole door not firmly closed
- ✦ Water tap not turned on
- ✦ Bent inlet hose
- ✦ Sieve on inlet valve clogged

SUDS ESCAPING FROM DETERGENT DISPENSER TRAY./ EXCESSIVE FOAM IN THE DRUM

- ✦ Detergent used is not a front loading washing machine detergent
- ✦ Excessive detergent used

WATER LEAKAGE FROM THE MACHINE.

- ✦ Inlet/Outlet hose connection loose
- ✦ Coin trap cover or drain plug not screwed on properly
- ✦ Inlet hose leaking

MACHINE DOES NOT DRAIN.

- ✦ Outlet hose end above 1 mtr. from floor level

MACHINE VIBRATES STRONGLY DURING SPINNING.

- ✦ Machine not leveled properly
- ✦ Clothes not loaded as instructed

Frost Protection

If the machine is being operated in very cold temperature, all the water should be drained out after use.

- ✖ Locate the drain hose and drain the water.
- ✖ Disconnect inlet hose from the tap and drain.

Draining During Emergencies

In case of a long power failure during a programme run, the water can be drained from the drum through the drain hose

- ✖ Allow the water in the machine to cool down sufficiently.
- ✖ Locate the drain hose and pull out the drain plug to drain water in a large shallow container.
- ✖ Before restarting machine, ensure that drain plug is fixed on drain hose properly and coin trap water line is filled with water by running the machine without any clothes or detergents.
- ✖ Spillage of water can rust the base plate. Draining through drain hose prevents rusting.

- ✖ Use of extension cord not recommended since it may not be properly earthed.
- ✖ Use ISI marked sockets of reputed make for preventing loose contact of power supply cable.
- ✖ Ensure that there is a firm connection between the 3 PIN PLUG and SOCKET, else it may result in sparking and subsequent failure of 3 pin plug.
- ✖ Ensure that L,N,E is as per the Fig. Shown
- ✖ Washing machine should always be connected to socket with 16 Amps MCB or other automatic short circuit protection devices.

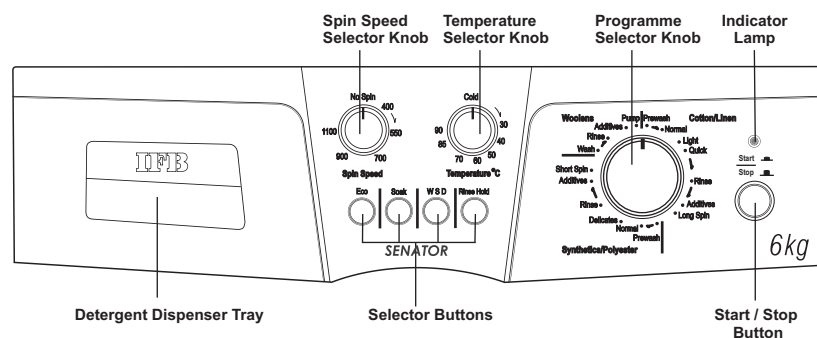
CAUTION :- The producer/Manufacturer declines any responsibility for damage caused by failure to observe this rule. You are therefore advised to check that your household supply has an efficient earth.

USING YOUR MACHINE

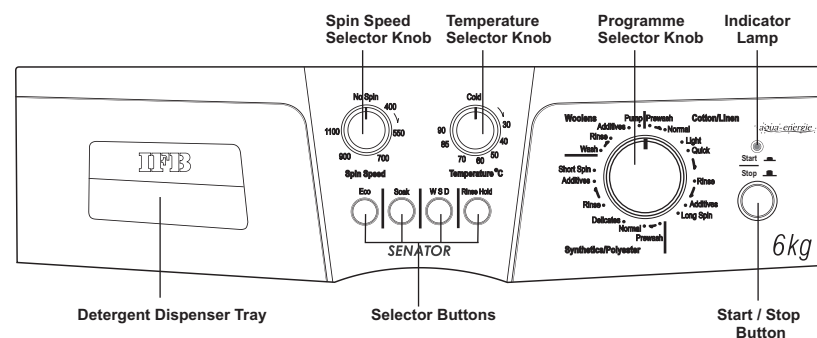
Control Panel

Let's take a look at the control panel and understand the working of each of its features. Each feature serve a specify purpose in the complete operation of the machine.

SENATOR 6 KGS



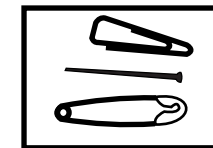
SENATOR 6 KGS aqua energie



Drum

Rust Stains

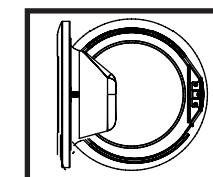
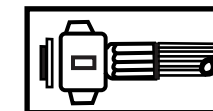
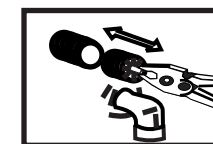
Never leave metal items e.g. paper clips, safety pins etc. in the drum as it creates superficial rust marks in drum. If there are any rust stains remove with a non-chlorine agent. Special non-metal sponges (never use steel wool) may also be used.



Sieves

Cleaning of Water Connection Sieves, Filter

1. Turn off Taps. Disconnect Power supply to the machine. Unscrew inlet hose from machine as well as from the tap and drain out water from the hose.
2. Pull the sieve out the magnetic valve with a pair of flat nosed pliers and clean under running water with a brush.
3. Fit Sieve back to the valve.
4. Remove the filter mesh from the tap end of the inlet hose and clean under running water with a brush.
5. Fit the filter mesh back to inlet hose.
6. Screw inlet hose back to the machine and the tap. Ensure that both the sieve and gasket are in place.
7. Turn on the tap.

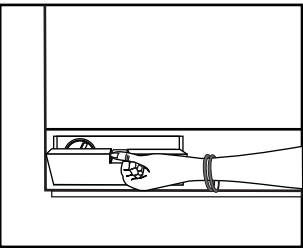


Cleaning of Porthole Door Area:

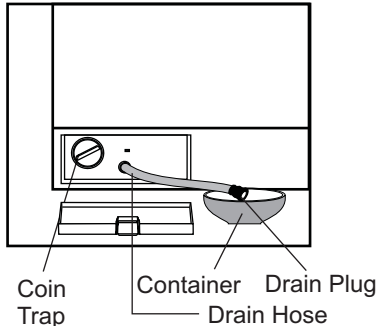
- ✦ After every wash clean vapour off porthole door.
- ✦ Lift the fold in the rubber gasket under porthole periodically to remove lint and dirt preferably after every wash.

MAINTENANCE

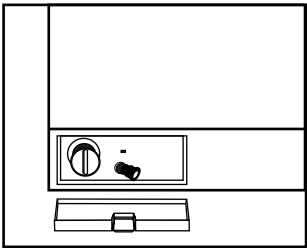
Coin Trap

- 

Open the bottom door, which is detachable by pressing the top portion of it.

- 

Place a shallow container near the bottom door. Pull out the drain hose and open the drain plug to drain out the water from the machine in the container.

- 

After draining out the water through the drain plug, open the coin trap by rotating in anticlockwise direction and remove the foreign particles like coins, pins, hooks, present if any. Tighten the coin trap and drain plug to their original positions and close the bottom door.

- Before using the machine again, run the machine without clothes and detergent by selecting any short wash programme. This will ensure that the water system line gets filled with water.

Alternatively pour two mugs of water (approx. 1.5 ltrs.) directly into the drum.

Do not open the coin trap during a programme run.

Environmental Protection/ Conservation Issues

Your washing machine uses water, energy and detergent efficiently, thereby protecting the environment and reducing your household costs.

Using your washing machine in an efficient and environmentally friendly manner:

Do not exceed recommended load.

Cottons 6.0kg

Easy-care 3.0kg

Delicates and Woollens 2.0kg

Where possible, use the 60° C Eco program instead of the 90° C Cottons program. The extended washing achieves a cleaning result comparable to the 90° C program, but uses considerably less energy.

Avoid using the Prewash program [if applicable] when washing lightly to normally soiled laundry.

Add detergent according to the degree of soiling, amount of laundry and water hardness, and observe the detergent manufacturer's instructions.

Before Using Your Washing Machine For The First Time

Caution

The washing machine must have been installed and connected properly (refer page 8)

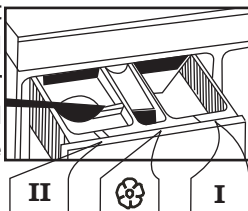
Your appliance was tested before leaving the factory. To remove any water left over from testing procedures, the first washing cycle should be carried out without laundry in the machine.

Do not load any laundry.

1. Turn on water tap.
2. Pull out the detergent dispenser up to the end stop.
3. Pour approx. 1 litre of water into chamber II of the detergent dispenser.
4. Pour ½ measuring beaker of detergent into dispenser II. Do not use any special detergents for delicates or woollens (excessive foam).
5. Close the detergent dispenser.
6. Set the programme / Temperature selector to the maximum temperature and start the machine.
7. Turn the programme selector to Off position once program is over / Turn OFF the machine

Automatic Detergent Dispenser Tray

Designed for automatic dispensing of detergent & additives as required, which avoids manual filling at each stage. The Detergent Dispenser Tray should be filled (with detergent and additives) before the start of a programme. The tray has three chambers.

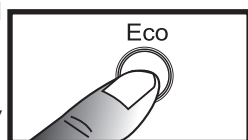


1. Pre-wash chamber: (Marked-I), to be filled with detergent in case a pre-wash programme has been chosen or heavily soiled clothes are being washed.
2. Main wash chamber: (Marked-II), requires detergent for every wash programme.
3. Fabric conditioner additives chamber: (Marked (♻️)), to be used for additives only. It should be filled as per instructions under "Operation". The detergent tray must be pulled out, filled as required and shut before the machine is switched on.

Selector Buttons

ECO Button

- ✦ This option is for environmental friendly and energy saving operation of washing.
- ✦ With Eco button pressed, the mechanical tumbling action during wash is considerably increased in such a way that at lower temperature and power consumption the same quality of wash is achieved as that with high temperature and less mechanical tumbling action. Refer 'Programme Selection chart'
- ✦ In cotton Wash Programme the Eco button gives more vigorous wash action when pressed and gentle wash action when released.
- ✦ In EASY CARE programme the Eco button gives medium vigorous wash action when pressed and gentle wash action when released.
- ✦ This button is not effective in woollen programme.



- ✦ The spin speed selector knob is turned to Appropriate position.
- ✦ The programme Selector knob is turned to the appropriate programme position in a **clockwise direction only**. This is very important.
- ✦ The Coin Trap/ drain hose is not open.
- ✦ Start Button is pressed.

Programme Run

Note:

- ✦ During the programme run the knob turns automatically in the clockwise direction only. Manual setting/advancement should not be done during programme run.
- ✦ Washing, Soaking Rinsing and Spinning can be seen through the porthole door.
- ✦ At any moment the position of the knob with respect to its start position shows how far the programme has advanced.
- ✦ The starting point is just beyond the thick line on the Facia.

Switching Off The Machine

- ✦ The wash ends automatically at the end of each programme at the thick line.
- ✦ To switch the machine OFF release the START button.
- ✦ The indicator lamp goes off.
- ✦ Porthole door can be opened after 90 seconds of switching off the machine.
- ✦ Remove clothes from inside the machine
- ✦ Leave door slightly ajar to dry out the inside of the machine.

Check Points

Before switching your machine 'ON' check...

- ✦ The machine is plugged in and switched on to a 220V, 50 Hz supply with proper earthing.
- ✦ The water inlet stopcock is fully open.
- ✦ The hoses are not bent or twisted.
- ✦ Dry clothes are loaded into the machine drum, and door is closed firmly with a 'click'.
- ✦ The required amounts of detergents and fabric conditioner are filled in their respective compartments.
- ✦ The Water Save Device Button, Rinse Hold Button, soak button, Eco button, is pressed if required.

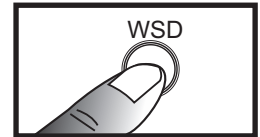
SOAK Button

- ✦ Soaking facilitates action of detergent to dislodge the dust particles from the clothes for the better wash quality.
- ✦ This option is available for cotton & easy care wash programme.
- ✦ If this button is pressed the clothes remain stationary (soaked) in soapy water during main wash cycle for 12 min. in Cotton wash and in Easy care wash programme, after which it continues with its Normal washing cycle.
- ✦ If this button is not pressed the clothes tumble during soaking period.
- ✦ Soaking Action is inbuilt in wool wash programme.



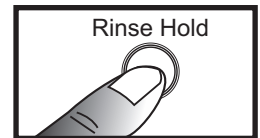
WATER SAVE DEVICE Button (WSD)

- ✦ "Water Save Device" button provides an option for Reducing 15 -25% of water for Small laundry of medium and less soiled clothes.
- ✦ Do not use this option in the case of Curtains, Bedsheets, & extra delicate fabrics etc.



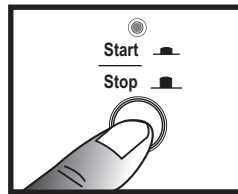
RINSE HOLD Button

- ✦ Press this button if you do not want to remove the washed clothes immediately after the wash programme is completed.
- ✦ This option when selected will prevent the clothes from creasing by holding them in water before final spin. Just release this button and the wash cycle will continue further.
- ✦ In addition to rinse hold option an Inbuilt Antcrease Action of tumbling takes place after Final spin to reduce creasing.



Start/Stop Button

- ✦ To switch ON the machine Press this button. Indicator lamp will glow to indicate the machine is powered.
- ✦ To switch OFF the machine release the this BUTTON. Indicator lamp will glow OFF.

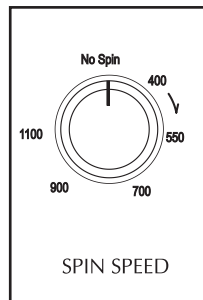


Indicator Lamp

Red lamp glows when the machine is switched ON and switches OFF when machine is switches OFF.

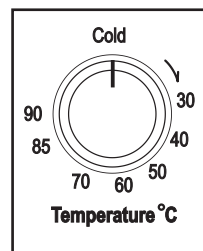
Spin Speed Selector Knob

- ✦ To select No spin, Turn the knob in Anticlockwise direction to No Spin position. A gentle click will be heard.
- ✦ When selected the machine will not spin during spinning duration.
- ✦ The knob should not be turned beyond No Spin position in anticlockwise direction.
- ✦ Spin speeds between 400 rpm min to 1100 rpm max. can be selected by rotating the knob.
- ✦ The knob should not be turned beyond 1100 rpm marking in clockwise direction.
- ✦ In cotton wash programme 1100 rpm max spin speed can be selected.
- ✦ In easy care programme 700rpm max spin speed can be obtained, even if knob setting is beyond 700 rpm.
- ✦ Spin drying is not available in wool programme.



Temperature Selector Knob

- ✦ Temperature to be set only if a hot wash is required, otherwise there will be a cold wash in position 'cold'.
- ✦ Temperatures can be selected between 30° C - 90° C depending on fabric type.
- ✦ KNOB SHOULD NOT BE TURNED BEYOND 90°



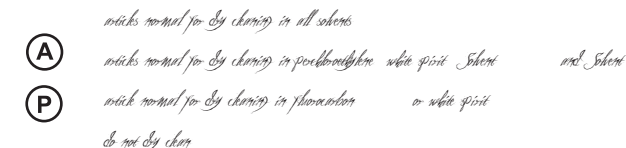
Ironing

The number of dots indicate the maximum recommended temperature



Dry Cleaning

A tick symbolizes dry cleaning



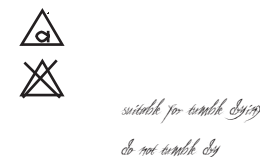
Bleaching

A triangle symbolizes bleaching



Drying

A square symbolizes drying



Wool

Garments labeled as Machine Washable can be washed in wool wash cycle at a temperature of



Wash Load Guide

Sheets Cotton	(D) (S)	1kg 500gms	Pajama/Kurta Shirt Cotton Others	400gms 280gms 200gms	Bedspread Blankets Wool acrylic	3kg 2.0kg 1.5kg
Other than Coton	(D) (S)	650gms 400gms	Blouse: cotton others Sarees: Cotton Synthetics Panties	140gms 100gms 650gms 350gms 60gms	Sweaters(Wool) other heavy weight light weight	400gms 300gms 150gms
Pillow slips: Cotton others		110gms 85gms	Socks: long(2pair) short(2pair)	150gms 85gms	Cotton vests Underslip	100gms 100gms
Bath towels Hand Towels		600gms 260gms	Hankies (6) Napkins(1doz) Lungi/Dhoti	85gms 1.1kgs 200gms	Skits Trousers jeans	200gms 250gms 400gms
Tablecloths: small large		230gms 600gms				
Table Napkins (4)		150gms				

D = Double

S = Single

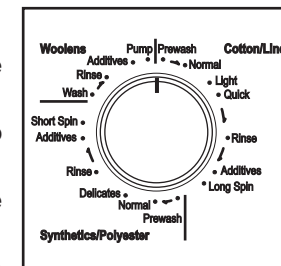
- ✦ The chart indicates the average weight of clothes.
- ✦ The recommended weight of your wash should not be exceeded to ensure that your machine gives your clothes an effective wash.

International Washing Symbols

Washing Symbol	Wash Temp Max° C	Action
	95, 60, 40	normal
	30	gentle
	Do not machine - wash	handwash
	Do not wash in water	

Programme Selector Knob

- ✦ To select the right programme as per the fabric being washed and extent of soilage.
- ✦ A choice of 30 programmes is available to wash different kinds/loads of clothes.
- ✦ Programme selection should be done before the machine is switched ON.
- ✦ Only one programme can be selected at a time.
- ✦ Only the starting point in a programme needs to be selected, thereafter the machine runs through the cycle automatically.
- ✦ If for any reason you wish to change the programme after the wash process has begun - just switch OFF the machine - set the desired programme and re-start.
- ✦ **Knob should be Turned in Clockwise Direction.**
- ✦ Programme selection knob should be set only at the position as indicated in the programme selection chart.



Kinds Of Wash Programmes

There are 30 fully automatic programmes to suit different applications. To select a programme, you must understand the three basic groups of wash programmes.

1. Cotton Wash

- ✦ The washing action is more vigorous / Gentle, for a longer duration, to help clean clothes better.
- ✦ To be used for whites, cottons and coloureds.
- ✦ Not to be used for woollens and delicate fabrics.


2. Easy Care

- ✦ The washing action is less vigorous / Gentle and for a shorter duration.
- ✦ To be used for easy care fabrics like polyester blends, etc.

3. Wool Programmes

- ✦ For woollen and soft fabrics only.
- ✦ This programme has a built - in Gentle wash function, irrespective of ECO Button Selection.
- ✦ No Spin drying takes place in this programme.

STAGE III: Rinse

- ✖ After washing, the rinsing is done automatically. In the Cotton wash your clothes are rinsed three times.
- ✖ For most efficient rinsing Intermittent short spins are provided in the rinse programme at 700rpm max.
- ✖ Fabric conditioner is drawn from the detergent dispenser tray marked  (middle chamber) during the last rinse (Additives). If no conditioner is added, the machine continues to rinse in ordinary water.
- ✖ If rinse hold button is pressed, the clothes will remain floating in water during last rinse till the button is released again inorder to continue the further programme.

STAGE IV : Spin Drying: - Long Spin

- ✖ Spin drying takes place at 700 r.p.m. and then goes upto 1100 r.p.m.
- ✖ Any spin speed between 400 rpm min. to 1100 rpm. Max. can be selected using spin speed selector knob.
- ✖ After spinning, the clothes tumble for 6 Minutes to reduce creasing.

2. Easy Care Programme (Synthetics / Polyester)

- ✖ For polyester blended fabrics like terrycots etc.

STAGE I : Pre-Wash:

- ✖ The cycle takes place before the main wash.
- ✖ To be used for heavily soiled delicate clothes.
- ✖ At the end of the pre-wash the dirty water is pumped out automatically.
- ✖ IN CASE CLOTHES ARE NOT HEAVILY SOILED, THE PRE-WASH CAN BE AVOIDED BY SETTING THE PROGRAMME SELECTOR KNOB TO ANY OF THE MAIN WASH PROGRAMMES AS GIVEN BELOW

STAGE II: Main Wash : NORMAL / DELICATES

- ✖ If clothes are very lightly soiled, set the programme selector knob at 'DELICATES' to reduce washing time and energy consumption.
- ✖ Clothes are soaked for 12 Minutes if soak button is pressed.
- ✖ Main wash is completed with Intermittent short spins of 700 rpm max.

Fabric Conditioner

Fabric softner, Whitening, Enzyme, Disinfectants, bleaching, etc.

- ✖ Fill in the middle chamber of detergent dispenser tray marked
- ✖ Conditioner should be in liquid/solution form only (powders to be mixed in water.)
- ✖ Fabric softner gives a soft feel and smooth surface to fabrics.
- ✖ Whitener gives 'Whitness' to white clothes and brightness to coloured clothes.
- ✖ Enzymes help to remove stains of sweat, blood etc.
- ✖ Chlorine bleach is used for whites clothes and oxygen bleach is used for coloured clothes.
- ✖ A strong bleaching agent is not recommended for direct use in the washing machine.
- ✖ Extremely dirty areas in cloths can be pretreated with bleach and then be loaded in the machine for a regular wash.

Treatment Of Stains

- ✖ Stains need to be treated immediately when they are fresh. Usually stains are categorised as absorbed stains, built-up stains, and compound stains.
- ✖ Absorbed stains can be removed by rubbing gently a pad containing a suitable solvent over the stain from outer edge towards centre by keeping stained cloth on absorbent fabric.
- ✖ Built up and compound stains may be removed by first carefully brushing off stained area. Then rub gently with a pad containing solvent from the back of fabric.
- ✖ It is advisable to try out the solvent on hidden part of the garment to verify its effect on cloth.

- ✖ Over loading the drum will affect wash quality. It can also damage the machine and clothes in the long run.
- ✖ Running the machine under loaded may cause excessive vibration, noise and damage.

Detergent To Be Used And Quantity


- ✖ The best washing results will be achieved by using the correct dosage of detergent.
- ✖ Use the detergent as per the instructions on the detergent packaging, However the dosage need to be adjusted during usage to avoid effects of inadequate/excess detergent as mentioned below.
- ✖ Use liquid detergent dispenser tray (Optional) while using liquid detergent. It is not to be used for powder detergent.
- ✖ Pour the liquid detergent into the detergent dispenser tray and place the tray in the main wash chamber (Marked - II) of the detergent dispenser tray before the start of the program.
- ✖ The quantity of detergent will depend on
 - a.Quantity of clothes being washed
 - b.Degree of soilage of clothes
 - c.Water hardness
- ✖ Hard water and heavily soiled clothes require more, while less soiled clothes requires less then recommended quantity of detergents.
- ✖ Do not use dry cleaning agents.
- ✖ Frequent use of insufficient detergent will be noticeable as follows:
 - a.Washing appears grey or not properly clean
 - b.Grey/brown stains appear on the clothes

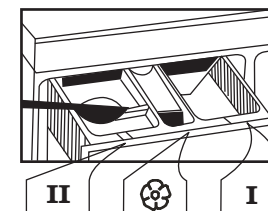
Only use Detergents recommended for front loading washing machines.

Excess use of detergent or not recommended detergents will result in

- a. Higher environmental pollution
- b. Generation of too much foam
- c. Building up of scales
- d. Poor rinse quality
- e. Less drying efficiency
- f. Reduction in life of the Components.

Symbols on DD TRAY

- I Pre - Wash
- II Main Wash
-  Additive



Programme Selection

1. Cotton wash programmes (Linen)

IFB's Pre Wash

- ✖ This cycle takes place before the main wash
- ✖ To be used for heavily soiled clothes which are given a preliminary wash
- ✖ Detergent to be filled in compartment I extreme side
- ✖ At the end of this pre wash the dirty water is pumped out automatically
- ✖ IN CASE CLOTHES ARE NOT HEAVILY SOILED THE PRE WASH CAN BE SKIPPED BY SETTING THE PROGRAMME SELECTOR knob TO ANY OF THE MAIN WASH PROGRAMMES AS GIVEN BELOW AND DETERGENT ADDED ONLY IN THE MAIN WASH CHAMBER MARKED II EXTREME LEFT

IFB's Main Wash NORMAL & QUICK

- ✖ Main wash starts with detergent being drawn from the extreme left compartment of the detergent dispenser tray
- ✖ Clothes are soaked for 10 minutes if soak button is pressed
- ✖ IF CLOTHES ARE NOT HEAVILY SOILED THE MAIN WASH CAN BE SKIPPED BY SETTING THE PROGRAMME SELECTOR knob AT QUICK OR DELUXE WASHING THE ENERGY CONSUMPTION
- ✖ Main wash is completed with pre-rinse and spin of 900 rpm.

STAGE III: Rinse

- ✖ After washing, the rinsing is done automatically. In this programme your clothes are rinsed three times.
- ✖ For most efficient rinsing intermittent short spins are provided in the rinse programme at 700 rpm max.
- ✖ Fabric conditioner is drawn from the detergent dispenser tray marked (middle chamber) during the last rinse (Additives). If no conditioner is added, the machine continues to rinse in ordinary water.
- ✖ If rinse hold button is pressed, the clothes will remain Floating in water during last rinse till the button is pressed again in order to continue the further programme.

STAGE IV: Spin Drying : Short Spin

- ✖ Spin speed selector knob to be used for spinning in the range of 400 to 700 rpm.
- ✖ Spinning is followed by Anticrease cycle of 3 minutes tumble, during which the clothes are loosened for the convenience of open drying without creasing.

3.The Wool Programme : (Woolen)

STAGE I : Wash

- ✖ This programme starts directly with the main wash.
- ✖ The programme has a built-in Gentle wash function.
- ✖ Detergent to be filled only in the main wash chamber marked II (extreme left).

STAGE II : Rinse

- ✖ After washing, your clothes are rinsed three times.
- ✖ If rinse hold button is pressed, the clothes will remain floating in the water during last rinse till the button is pressed again in order to continue the further programme.
- ✖ No spin drying takes place.
- ✖ Machine stops after pumping at 'PUMP'
- ✖ Switch OFF the machine after the water is drained out.

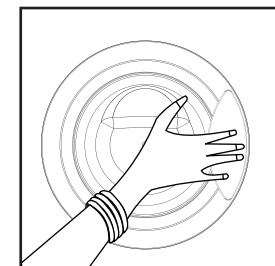
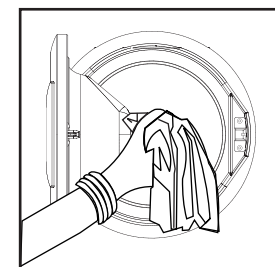
OPERATION

Sorting Of Garments

- ✖ Machine to be used for machine washable fabrics only (Look for wash symbols given on your garments.)
- ✖ Wash woollens separately only if label on garments permits it.
- ✖ Non-fast coloured should be washed with like colours only at lower temperature.
- ✖ Wash whites separately from colours.
- ✖ Non - fast coloured to be washed at temperatures recommended by manufacturer.
- ✖ Check the pockets for any loose articles like coins, keys, keychains etc. Remove these articles as these can damage the drum/tub.
- ✖ Do not mix clothes that give lint with clothes that attract lint (e.g lint givers-woollens, socks, coarse cotton fabrics etc. Lint takers-synthetic fibres and corduroys).

Loading The Machine

- ✖ Open the front porthole door, place garments loosely inside drum. For best results load garments one by one.
- ✖ A wash load should preferably be a mix of large and small clothes.
- ✖ Turn knitted garments inside out, Remove loose hooks, rings and pins found on curtains etc. If pins/hooks cannot be removed tie a knot around them with the garment itself.
- ✖ **Close door and press till you hear a 'click'. Ensure that no cloth is jammed between door and rubber gasket of frame.**
- ✖ For large garments like bed covers and curtains etc. open out the garments and hold from the centre to load.
- ✖ Ensure that volume of load allows the clothes to tumble freely in the drum for best wash results.



CAPACITY	PROGRAMME SELECTION CHART		DETERGENT IN CHAMBER		ADDITIONAL BUTTONS				ADDITIONAL FUNCTION	TEMP SELECT MAX °C		TYPE OF WASHING (PLEASE NOTE WASH CARE LABELS ON GARMENTS)	COMPLETE CYCLE TIME (MINUTES)	MIN WATER CONSUMPTION LITRES With Water-Save
										ECO	SOAK			
EASY CARE 3kg. max	18.Prewash	✓	I	II	●	NO	●	●	●	40	60	Easy care fabrics of cotton, polyester or polyester blends - very soiled	108	55
	19.Normalwash	✓		II	●	NO	●	●	●	40	60	Above washing - less soiled	96	45
	20.Prewash	✓	I	II	●	YES	●	●	●	30	50	Easy care fabrics of cotton, polyester or polyester blends - normally soiled	108	55
	21.Normalwash			II	●	YES	●	●	●	30	50	Above washing - Less soiled	96	45
	22.Delicates	✓		II	●	□	●	●	●	30	40	Slightly soiled washing (once used towels, synthetic garments, nighties) (2 kg.max)	60	5
	23.Prewash	✓	I	II	YES	YES	NO	●	●	40	-	Synthetics curtains - heavily soiled	108	85**
WOOLEN 2kg. max	24.Normalwash	✓		II	YES	YES	NO	●	●	40	-	Synthetic curtains - less soiled	96	70**
	25.Delicates	✓		II	NO	□	NO	●	●	-	40	Slightly soiled washing (only once used or for extra delicate fabrics) (2 kg.max)	60	70**
	26.Rinse				YES	□	●	●	●	-	-	Three effective rinses with short intermittent spins followed by gentle spinning.	39	35
	27.Wash	✓		II	□	□	□	●	□	-	40	Woolens with machine washable labels, extra delicate clothes which are not to be spin dried.	36	70
	28.Rinse				□	□	●	□	-	-	Three deep rinses	24	55	
	29.Additives	⊗			□	□	□	□	-	-	Please refer fabric conditioner	12	17	
	30.Pump				□	□	□	□	-	-	Draining out water	3	NIL	

- - Option Available
- - Option Not Available
- YES - Select Button
- NO - Do not Select the Button
- ** - Water consumption without 'water save option'

Depending on water pressure, water hardness, water inlet temperature, Quantity and type of textile, Detergents used, Degree of soiling, Ambient condition, selected additional functions & power supply fluctuations the actual values given on or with the machine can deviate from the declared standard values, as they are tested according to the laboratory conditions. Water consumption excludes the quantity of water taken during cool down cycle.

Draining : PUMP

This programme is used to drain water out of the machine at any stage if required.

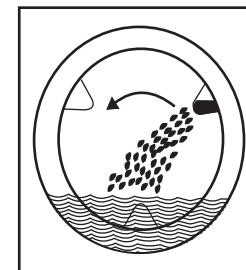
- ✦ Switch OFF the machine.
- ✦ Re-set the programme selector knob at point 'PUMP'.
- ✦ Switch ON the machine.

Exclusive spin drying programme:

- ✦ Can be used for spin drying hand washed/wet clothes
- ✦ Turn the programme selector knob directly to LONG SPIN / SHORT SPIN position after loading the clothes .
- ✦ Select the spin RPM according to the material of the clothes.(eg.cotton-1100 max, synthetic - 700 max.)
- ✦ Switch ON the machine.

A Unique shower system)

Scoops on the inner drum pick up water and shower through perforated fins on the laundry as the drum rotate. This ensure a thorough wetting of the laundry. What's more, the process requires less water and thus less energy to heat it.



Cool down cycle

Hot water drained after Main wash cycle can be harmful for people and environment .Hot water is cooled down by taking additional cold water automatically, which also reduces concentration of detergent, thus ensures better rinse quality and eco friendly environment.

Note:

IF THE LOAD OR MACHINE IS VERY MUCH UNBALANCED THE MACHINE IN THE PROCESS OF BALANCING/DISTRIBUTING THE LOAD MAY SUDDENLY STOP DURING SPINNING OR MAY SPIN AT VERY LOW RPM IN ORDER TO TAKE CARE OF VIBRATION WHICH MAY OCCUR UNDER SUCH CIRCUMSTANCE.

IN CASE ELECTRICITY WATER SUPPLY GOES OFF, THE MACHINE STOPS AND STARTS AGAIN FROM THE SAME POINT, AUTOMATICALLY, ON RESUMPTION OF ELECTRICITY / WATER SUPPLY.

Recommendations for a mixed load:

For washing a varied mix of clothes i.e. cottons, rayon, polyester, etc. if there is:-

- ✱ A predominance of cotton clothes - use the cotton wash programme
- ✱ A predominance of polyester/synthetic clothes -use easy care programme
- ✱ The washing procedure remains the same.

PROGRAMME SELECTION CHART (Senator 6Kg / Senator 6Kg Aqua Energie)

1. To select the right programme for your wash, a tabulated programme Chart is given on the Detergent Dispenser Drawer to indicate fabric type and wash temperature.
2. Additionally, you can refer to the detailed programme Chart given below 30 fully automatic wash programmes available with respect to fabric type, degree of soilage, wash cycle, wash temperature and wash loads.

CAPACITY	PROGRAMME SELECTION CHART		DETERGENT IN CHAMBER		ADDITIONAL BUTTONS			ADDITIONAL FUNCTION		TEMP SELECT MAX °C		COMPLETE CYCLE TIME (MINUTES)	WATER CONSUMPTION LITRES /kg. size
	WITH PREWASH	WITHOUT PREWASH	I	II	ECO	SOAK	WATER SAVE	RINSE HOLD	SPIN SPEED SELECTOR OR SPIN CANCEL	WITH ECO	STD		
COTTON 6kg. max	1. Prewash	✓	I	II	•	NO		•	•	60	90	132	55
	2. Normalwash	✓	I	II	•	NO	•	•	•	60	90	117	45
	3. Prewash	✓	I	II	•	YES		•	•	60	90	132	55
	4. Normalwash	✓	I	II	•	YES	•	•	•	60	90	117	45
	5. Prewash	✓	I	II	•	YES		•	•	45	60	132	55
	6. Prewash	✓	I	II	•	NO	•	•	•	45	60	132	55
	7. Normalwash	✓	I	II	NO	YES	•	•	•	-	60	117	45
	8. Normalwash			II	•	NO	•	•	•	45	60	117	45
	9. Prewash	✓	I	II	•	YES	•	•	•	45	55	132	55
	10. Normalwash		I	II	•	YES	•	•	•	45	55	117	45
	11. Prewash	✓	I	II	•	NO	•	•	•	45	55	132	55
	12. Normalwash			II	•	NO	•	•	•	45	55	117	45
	13. Light wash	✓		II	•	□	•	•	•	45	45	84	45
	14. Quick wash	✓		II	YES	□	•	•	•	40	-	66	45
	15. Rinse				YES	□	•	•	•	-	-	45	35
	16. Additives	⊗			YES	□	•	•	•	-	-	24	11
	17. Long Spin				YES	□	•	•	•	-	-	15	NIL